

**What is Claimed is :****1) "BLOW MOLD SHELL WITH VOLUME INSERT SYSTEM**

FOR BLOWING MACHINE" characterized by the fact that it comprises a blow mold shell (M) of tubular shape, divided in 5 the longitudinal direction into individual parts (MF1 and MF2), each one of said parts having the shape of a cylindrical shell

**2) "BLOW MOLD SHELL", according to claim 1,**

characterized by the fact that the parts (MF1 and MF2) are 10 divided in the transversal direction into individual parts (M1, M2, M3, M4, M5, M6); parts (M1), (M3) and (M5) are supplementary, as well as parts (M2), (M4) and (M6); the supplementary parts are attached to each other by means of screws (P1); on the longitudinal ends of the supplementary 15 parts there are calibrated grooves (E1 and E2) of rectangular profile; there is also a locking device set between the supplementary parts of mold (M).

**3) "BLOW MOLD SHELL", according to claims 1**

and 2, characterized by the fact that the calibrated grooves 20 (E1 and E2) of the longitudinal ends of the supplementary parts of mold (M) have a rectangular profile, being geometrically opposed to each other.

**4) "BLOW MOLD SHELL", according to claims 1**

and 2, characterized by the fact that the locking device is 25 made up of pegs (C) hidden inside cavities of elongated shape positioned on parts of mold (M); pegs (C) are attached to parts of mold (M) by means of screws (P2).

**5) "BLOW MOLD SHELL", according to claims 1**

and 2, characterized by the fact that parts M3 and M4 are 30 removable or replaceable.

**6) "BLOW MOLD SHELL", according to claim 1,**

characterized by the fact that parts (MF1 and MF2) feature calibrated grooves to which are assembled form inserts (IF1, IF2 and IF3) also calibrated; between parts (MF1) and (MF2)

and the forms inserts (IF1), (IF2) and (IF3) there is a locking device.

5 7) "**BLOW MOLD SHELL**", according to claim 1, characterized by the fact that the locking device is made up of fixed pegs (CF) embedded in elongated shape cavities set on the mold parts (M); the fixed pegs (CF) are attached to the mold parts (M) by means of screws (P3).

10 8) "**BLOW MOLD SHELL**", according to claim 1, characterized by the fact that the locking device is made up of rotating pegs (CR) embedded in circular shape cavities set on the mold parts (M); the rotating pegs (CR) are attached to the mold parts (M) by means of screws (P3); the rotating pegs (CR) allow the assembly or removal of the form inserts (IF1, IF2 and IF3) without the need to completely remove said pegs.

15 9) "**BLOW MOLD SHELL**", according to claim 1, characterized by the fact that the form inserts (IF1, IF2 and IF3) are replaceable.